

Fig. 1

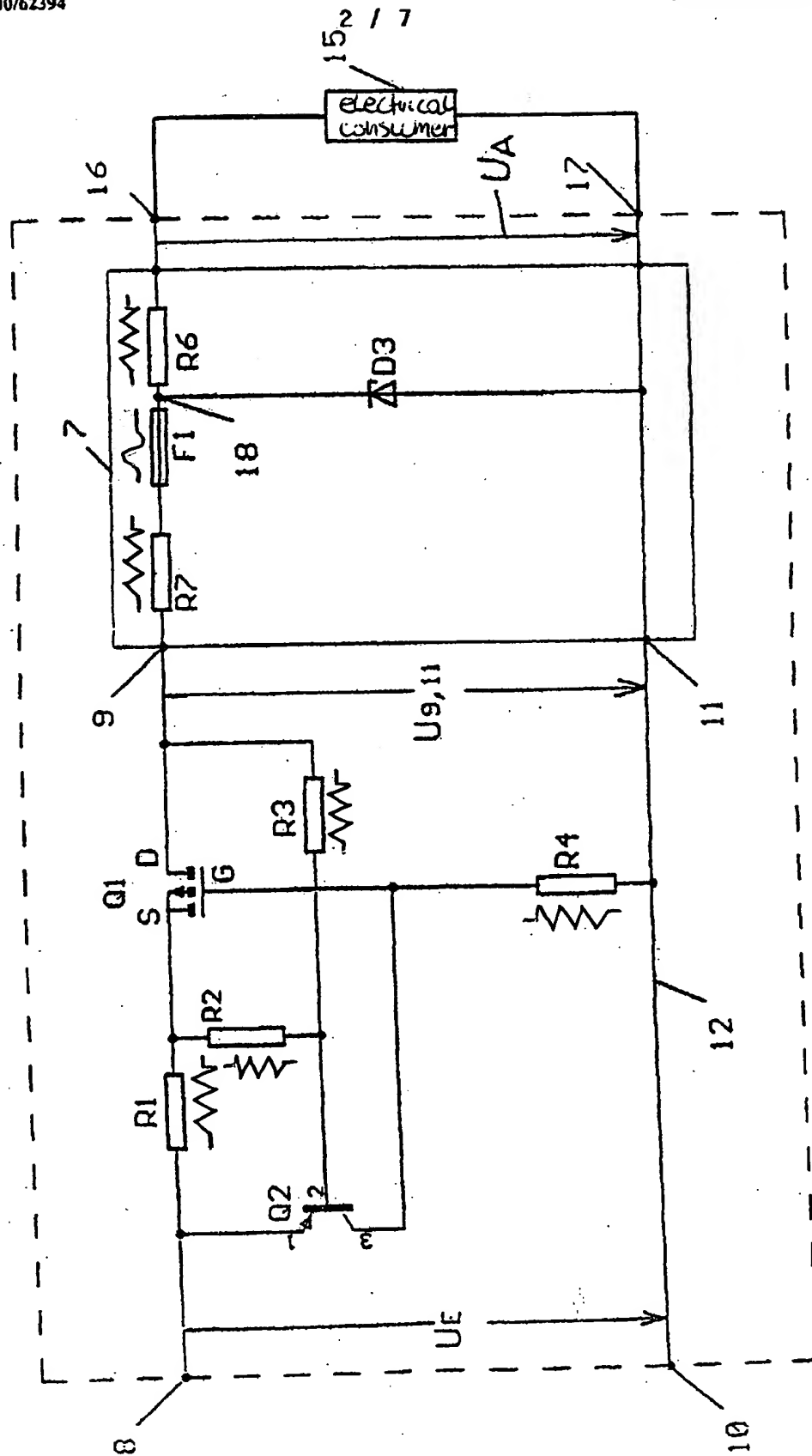


Fig. 2

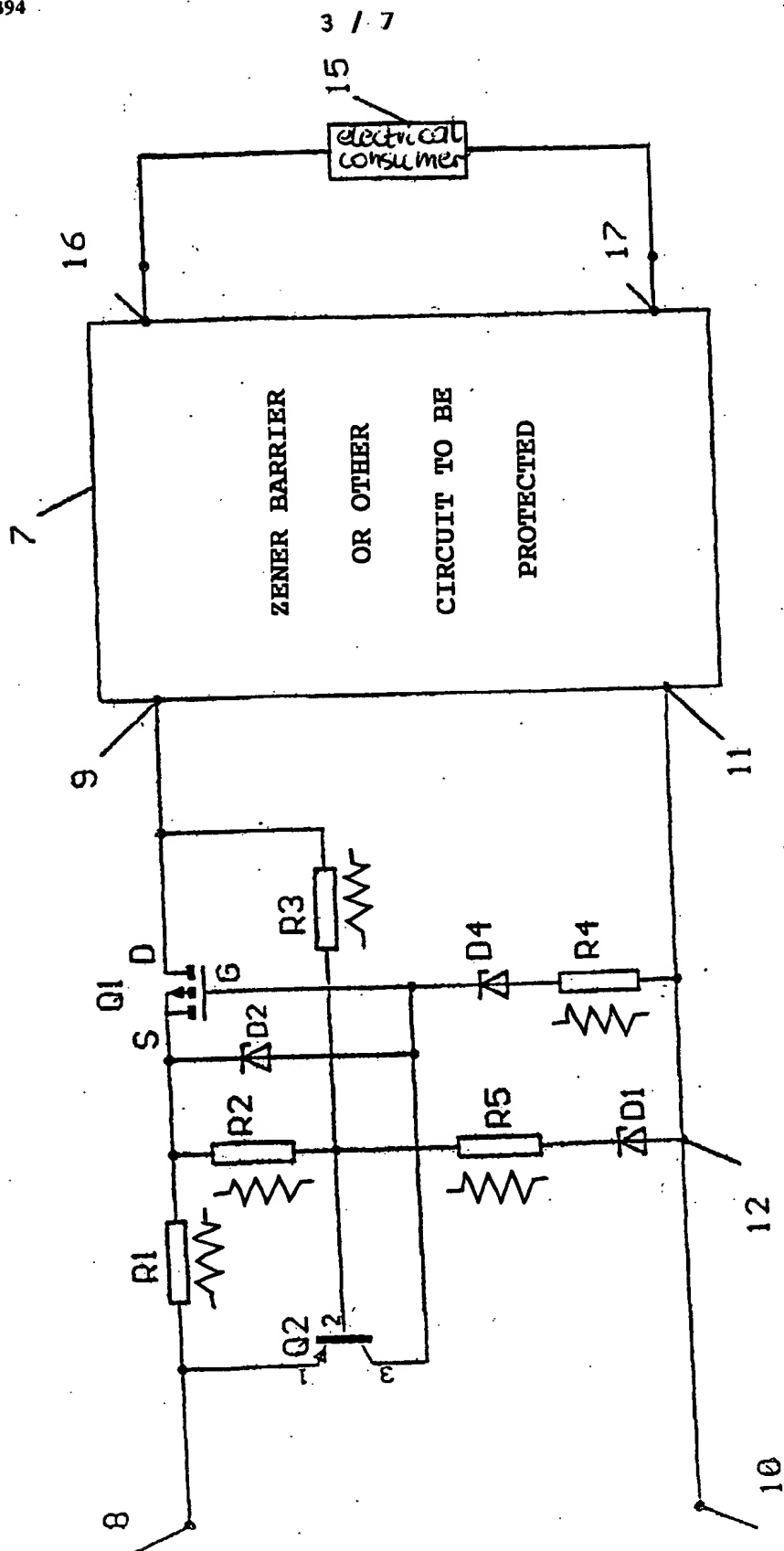


Fig. 3



WO 00/62394

PCT/EP00/02889

4 / 7

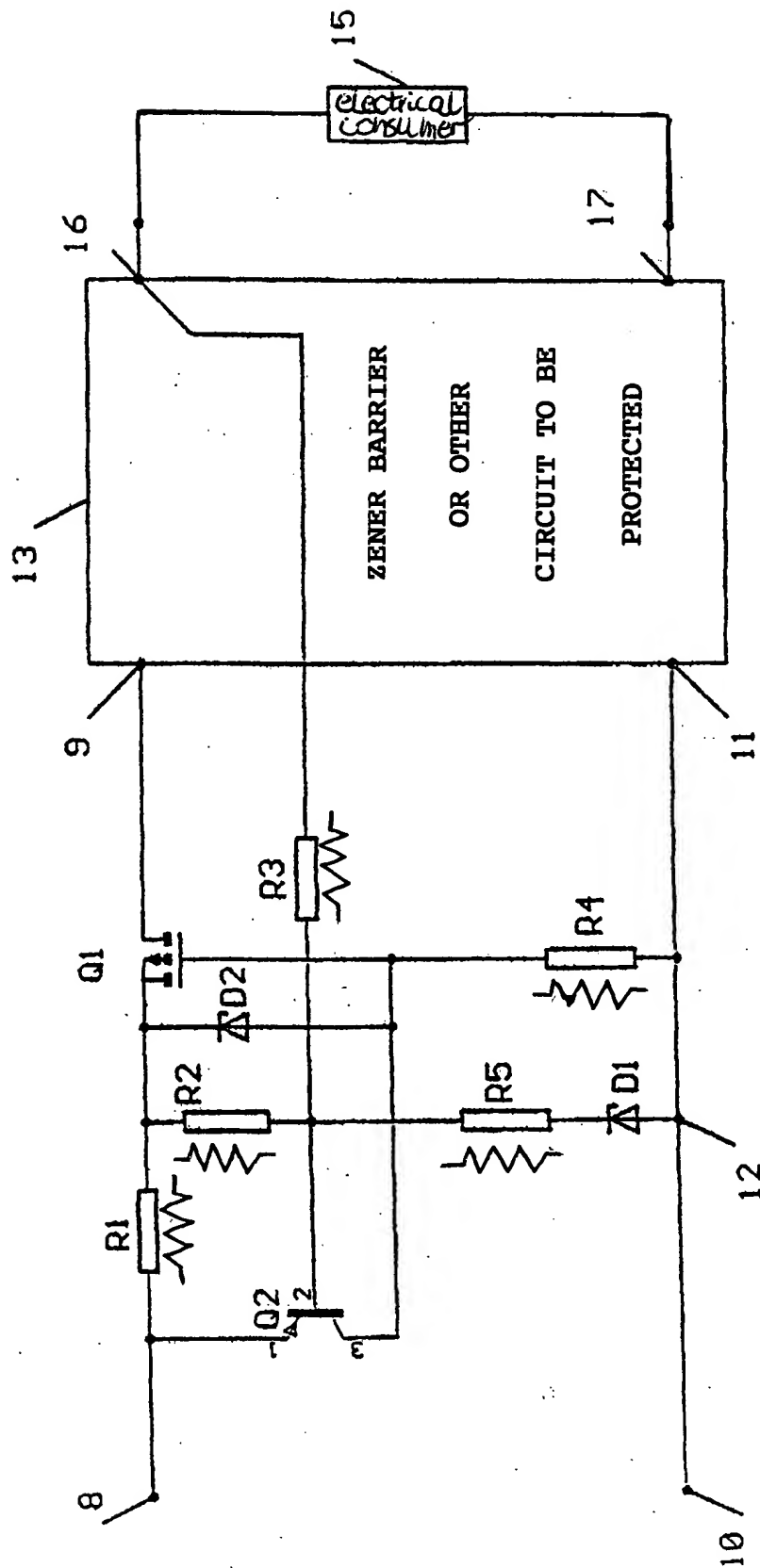


Fig. 4

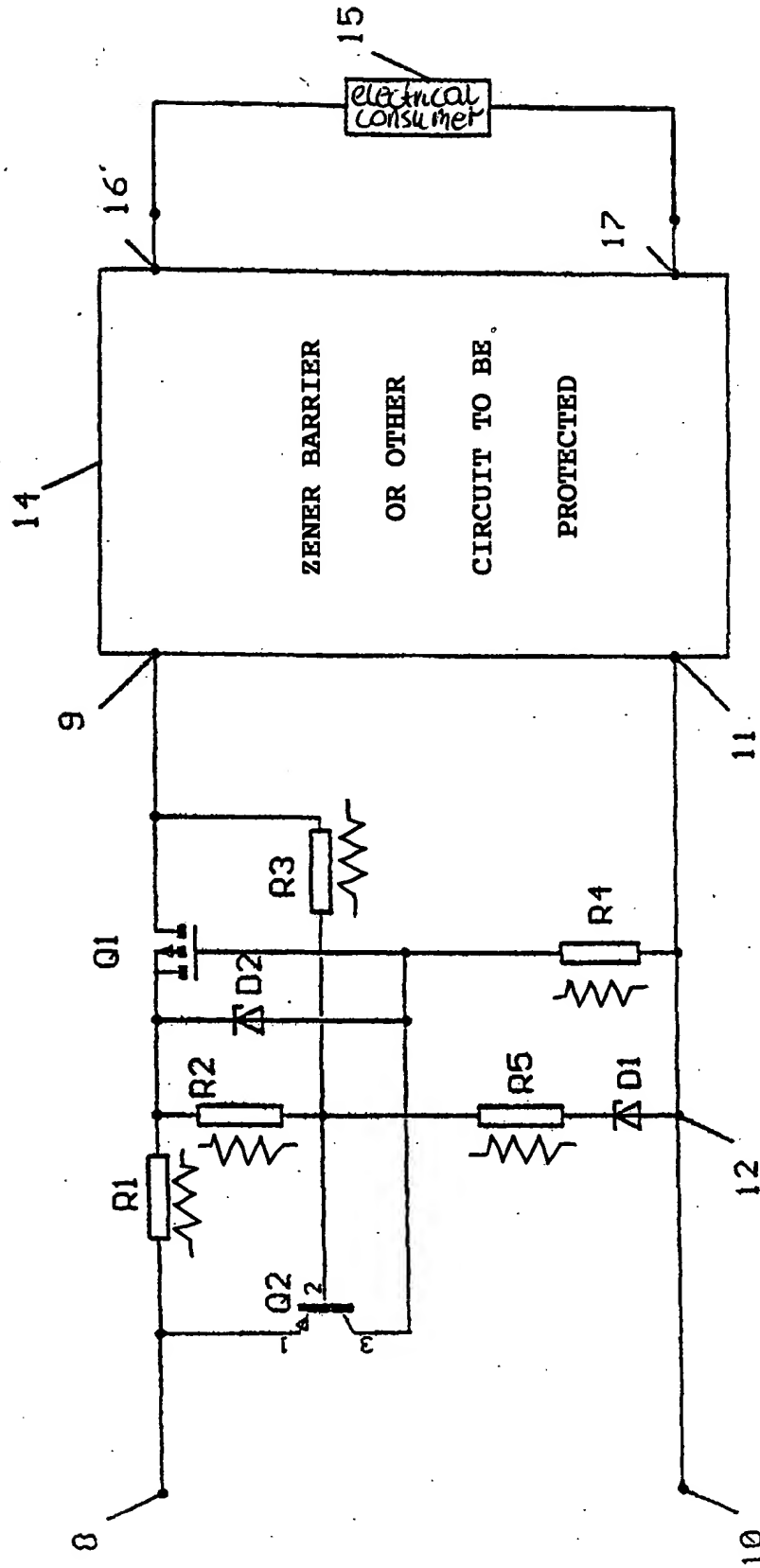


Fig. 5



WO 00/62394

PCT/EP00/02889

6 / 7

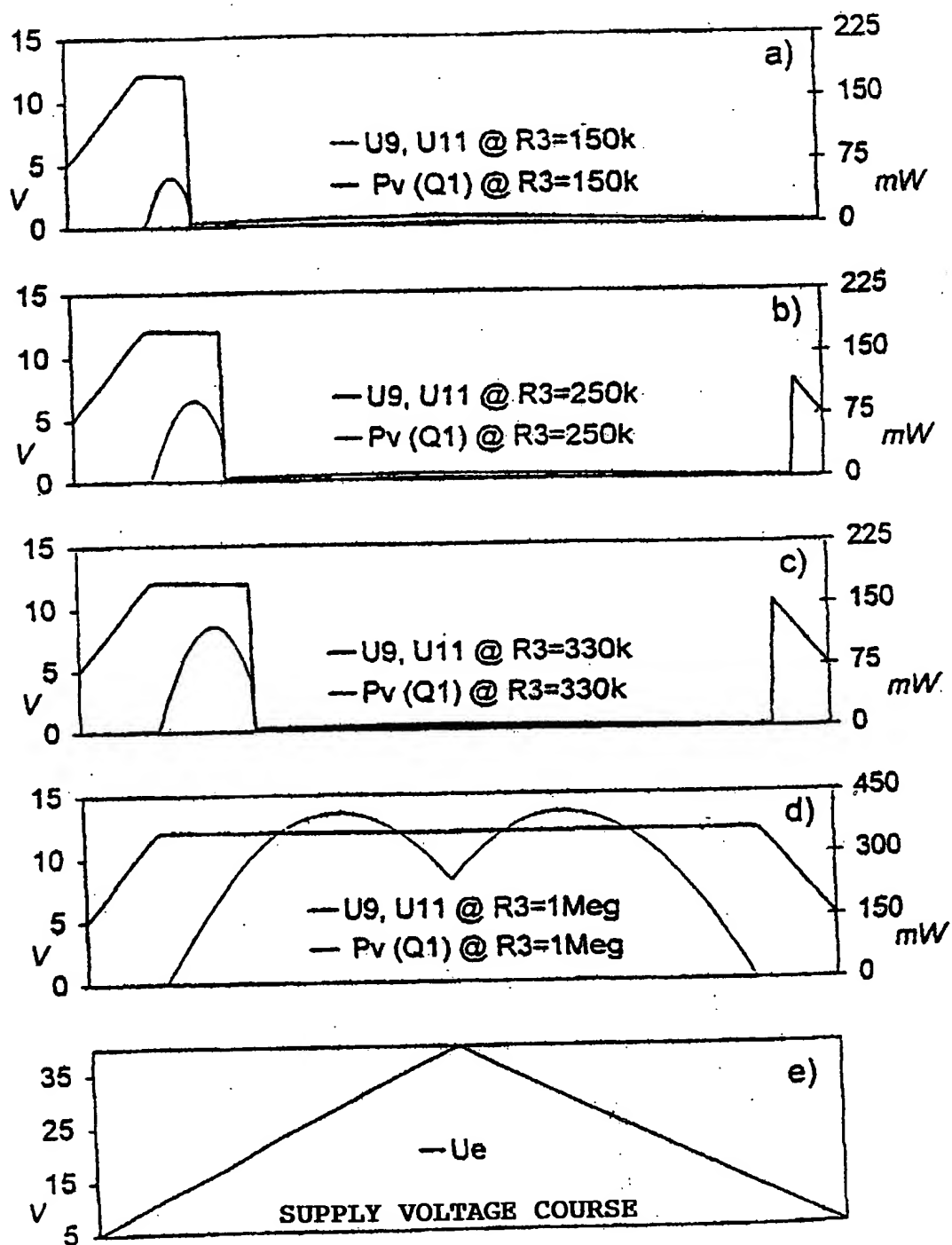


Fig. 6



WO 00/62394

PCT/EP00/02889

7 / 7

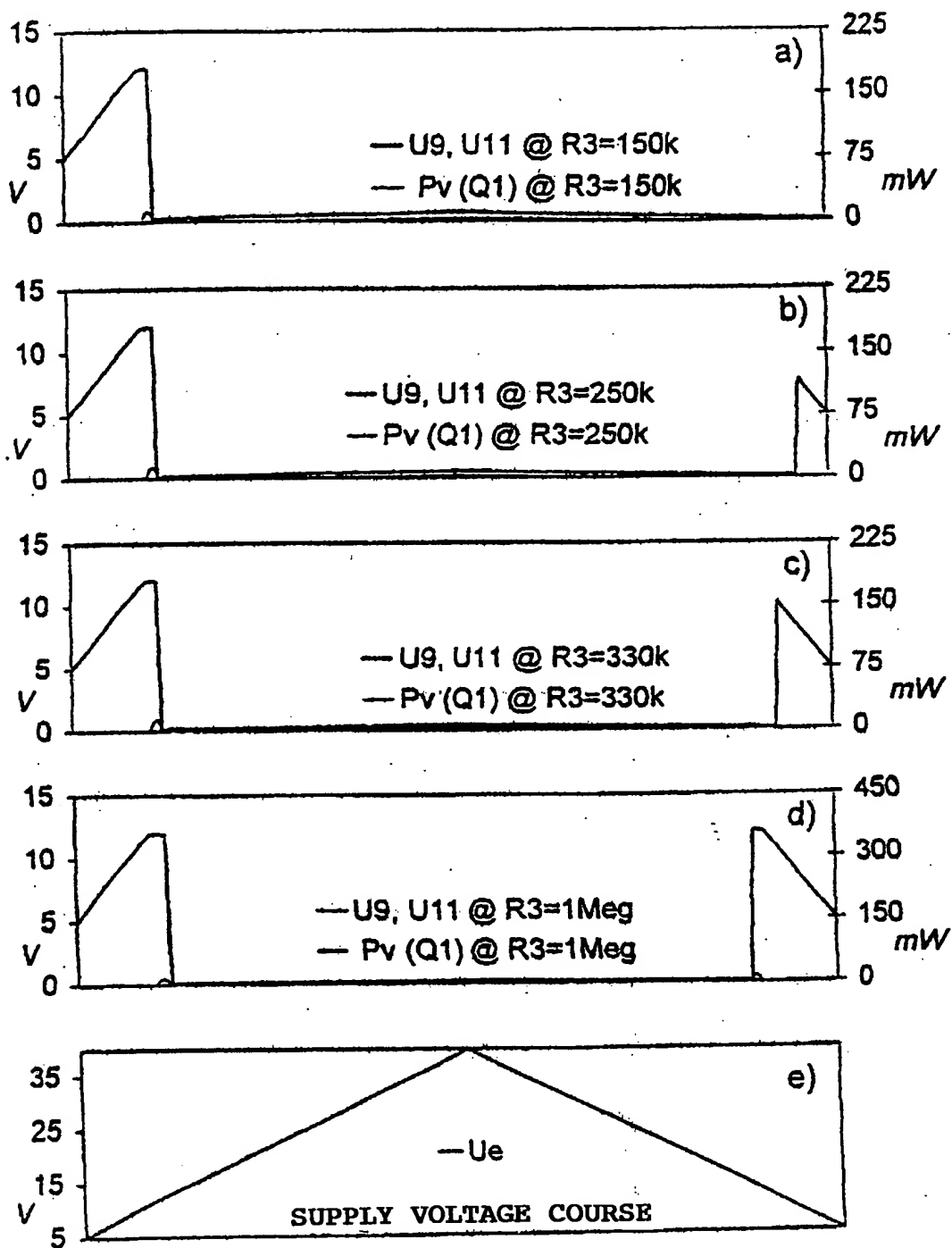
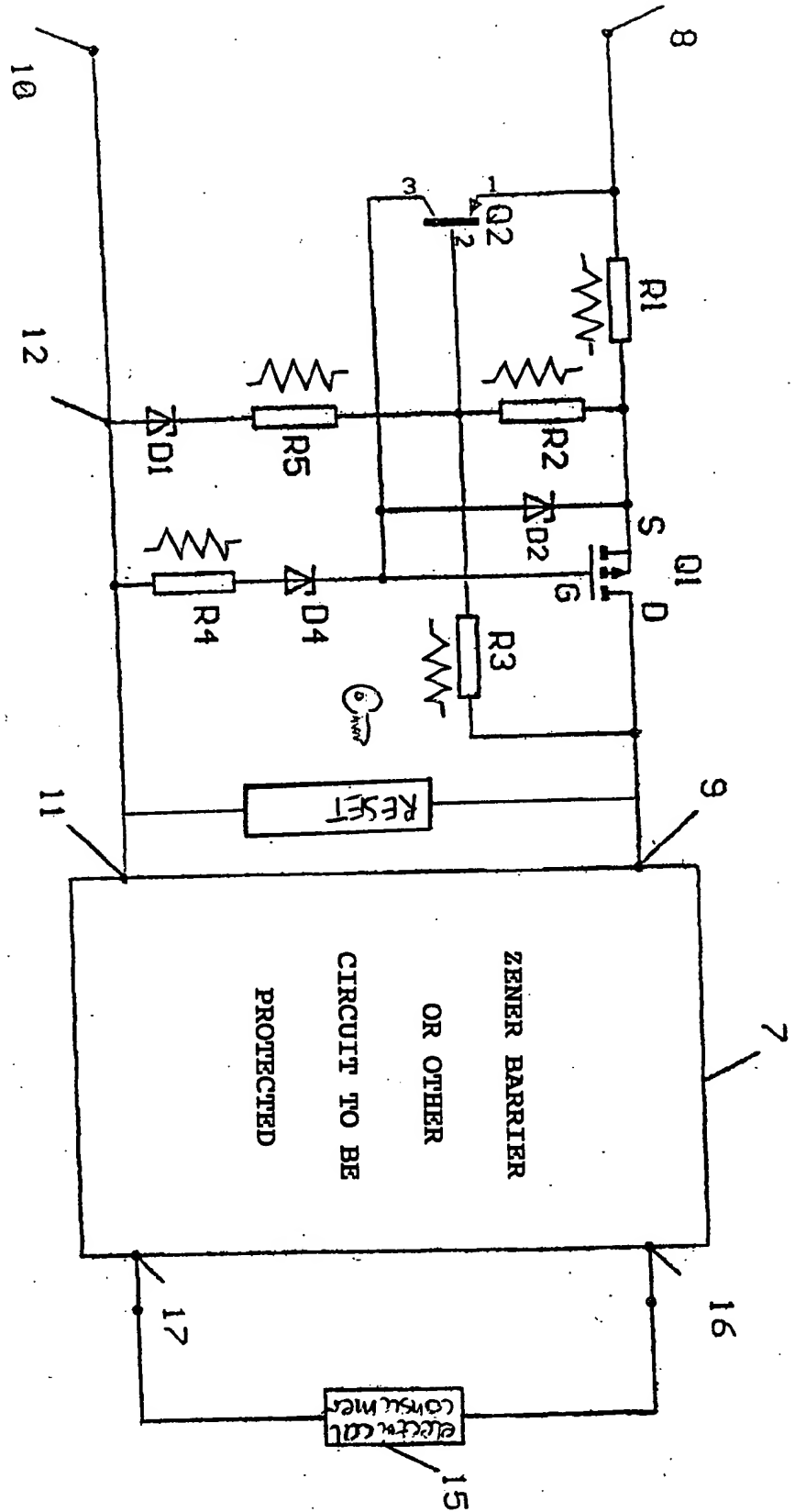


Fig. 7



Fig. 8



3 / 7

PCT/EP00/02889

WO 00/62394



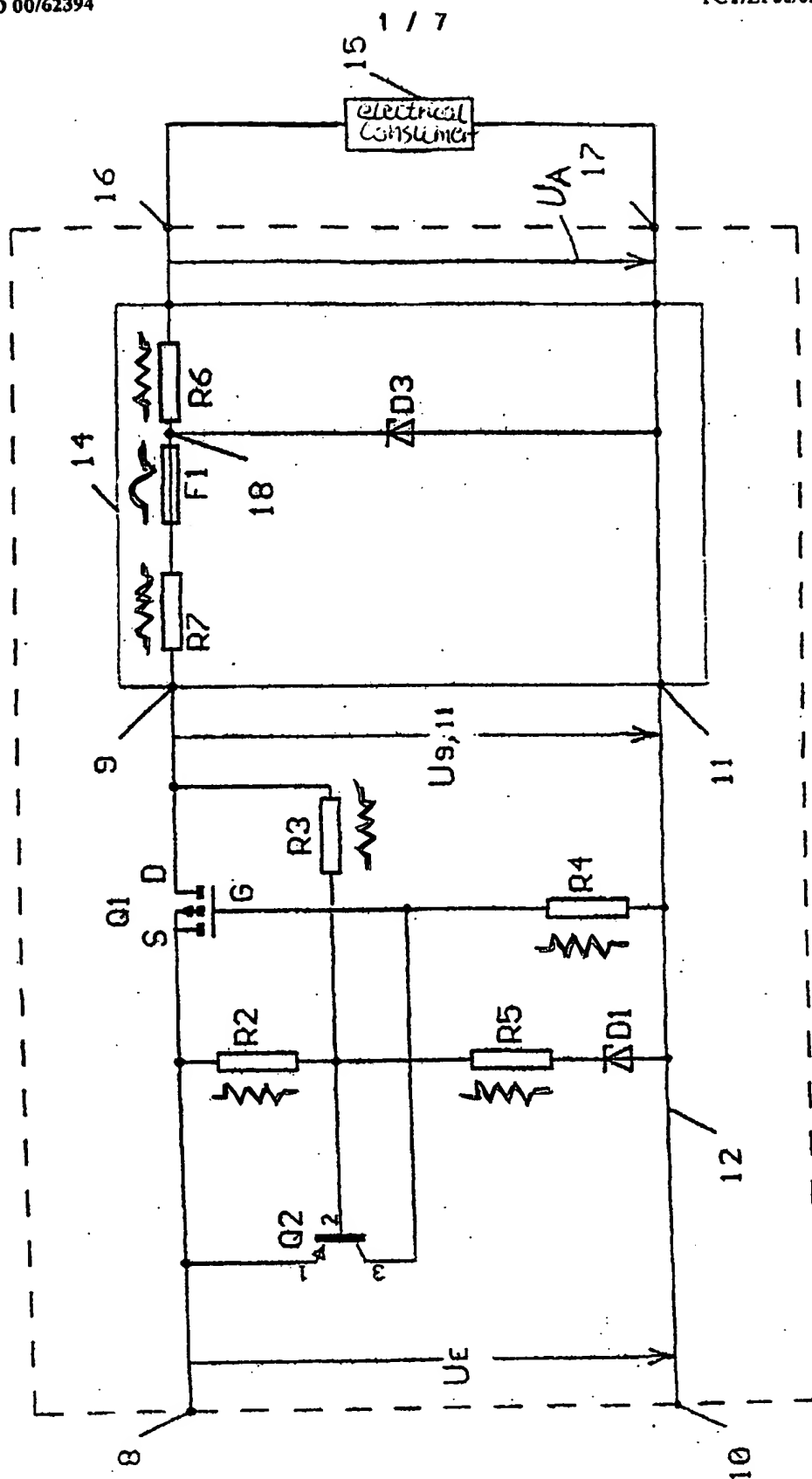


Fig. 1

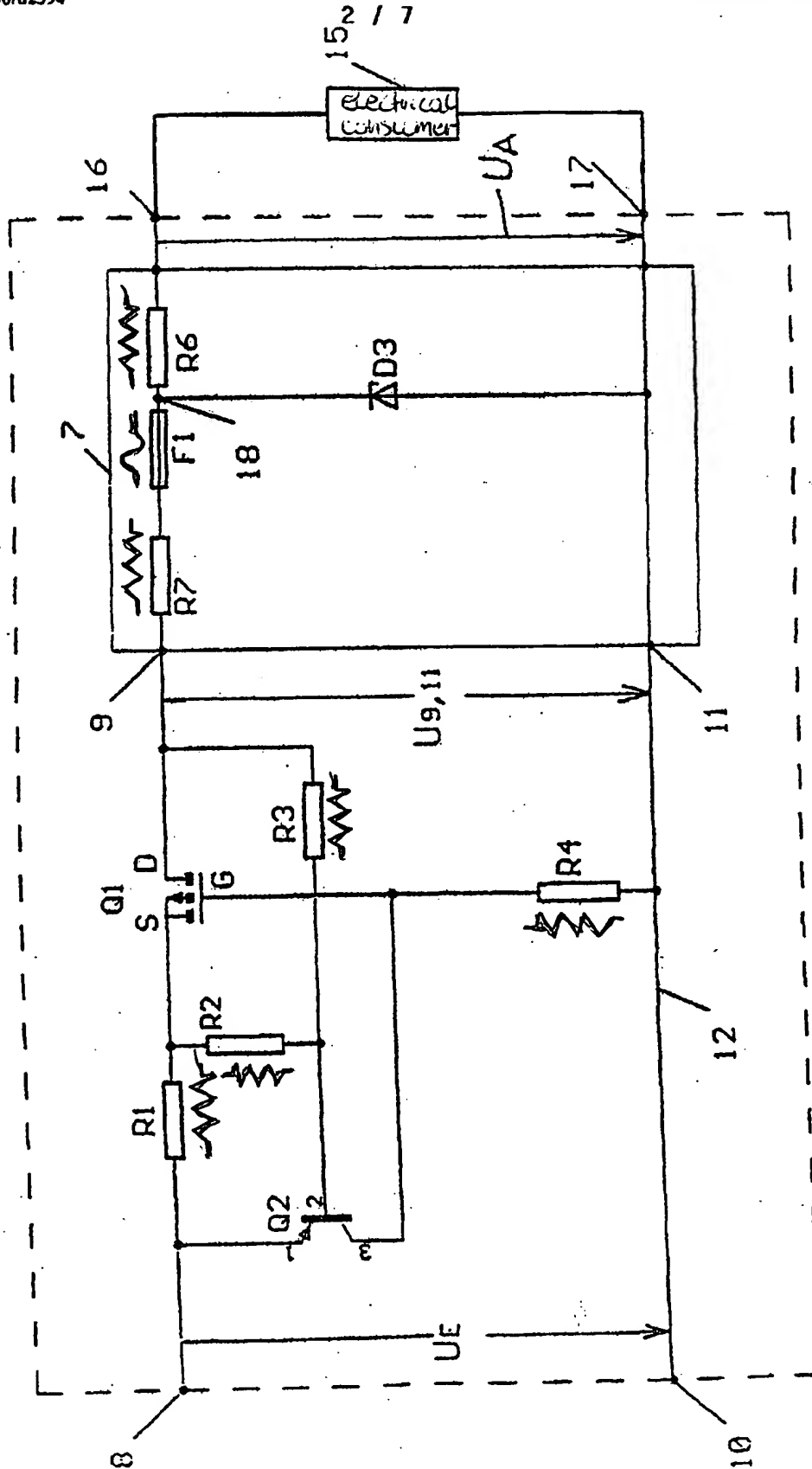


Fig. 2

Fig. 3

The diagram shows a circuit for protecting an electrical consumer (15) from overvoltage. The circuit includes a Zener barrier (13) or other circuit to be protected. The circuit is connected to a power source (8) and ground (10). The circuit components include resistors R1, R2, R3, R4, and R5, and diodes D1 and D2. The circuit is connected to the power source (8) and ground (10) via terminals 8, 9, 10, 11, 12, 13, 14, 15, 16, and 17. The circuit is connected to the power source (8) and ground (10) via terminals 8, 9, 10, 11, 12, 13, 14, 15, 16, and 17. The circuit is connected to the power source (8) and ground (10) via terminals 8, 9, 10, 11, 12, 13, 14, 15, 16, and 17.

The diagram illustrates a protection circuit for an electrical consumer. It features a main power line (8) and a ground line (10). A switch (9) is connected to the main power line. The circuit includes several components: a resistor R1, a diode Q1, a resistor R2, a diode Q2, a resistor R3, a diode Q3, a resistor R4, a diode Q4, a resistor R5, and a diode Q5. The components are arranged in a series-parallel configuration. The main power line (8) is connected to a switch (9). The switch (9) is connected to a resistor R1. The resistor R1 is connected to a diode Q1. The diode Q1 is connected to a resistor R2. The resistor R2 is connected to a diode Q2. The diode Q2 is connected to a resistor R3. The resistor R3 is connected to a diode Q3. The diode Q3 is connected to a resistor R4. The resistor R4 is connected to a diode Q4. The diode Q4 is connected to a resistor R5. The resistor R5 is connected to a diode Q5. The diode Q5 is connected to the ground line (10). The ground line (10) is connected to the electrical consumer (15). The electrical consumer (15) is connected to the main power line (8) through a switch (16) and a resistor (17). The main power line (8) is also connected to the ground line (10) through a switch (11) and a resistor (12).



WO 00/62394

PCT/EP00/02889

6 / 7

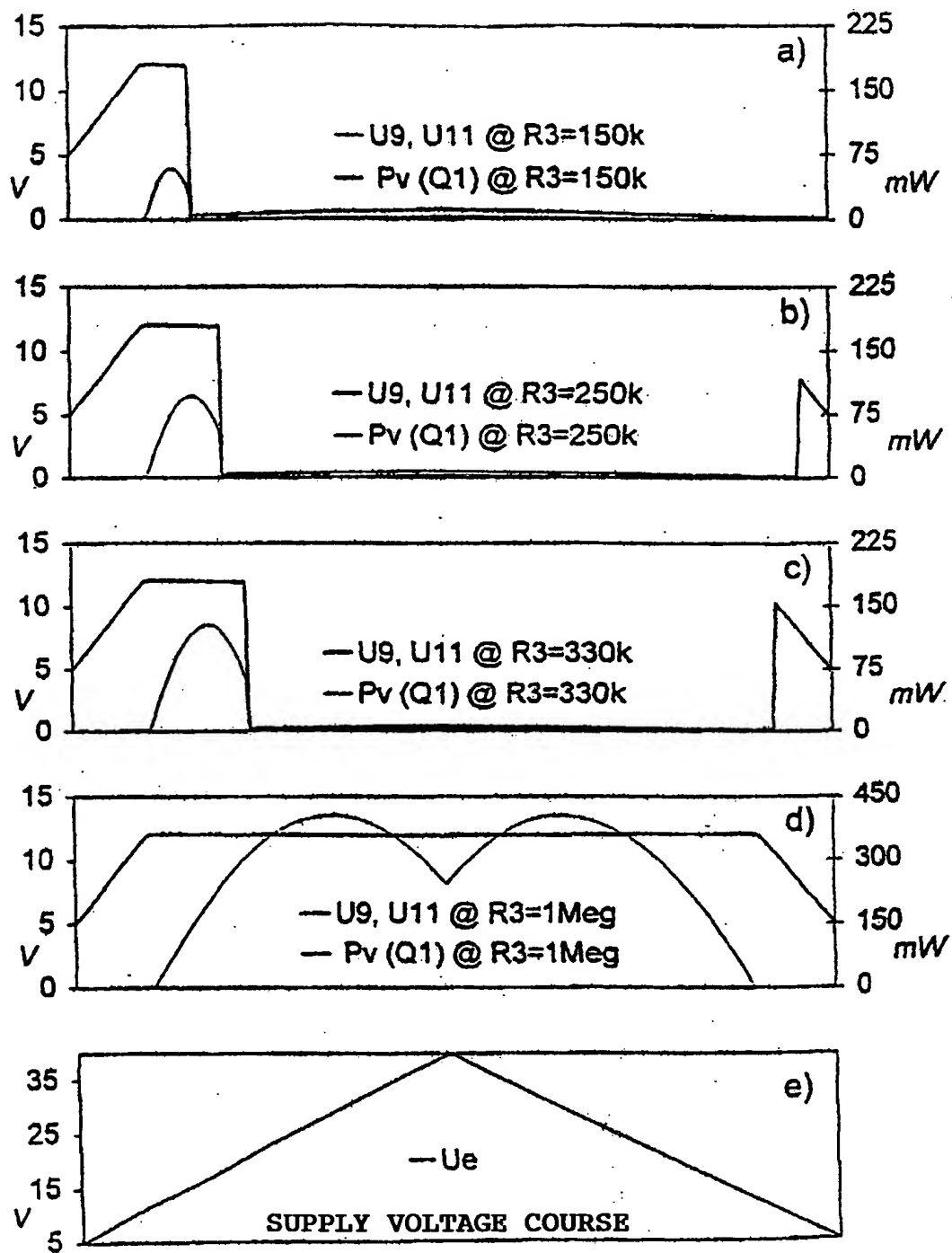


Fig. 6



WO 00/62394

PCT/EP00/02889

7 / 7

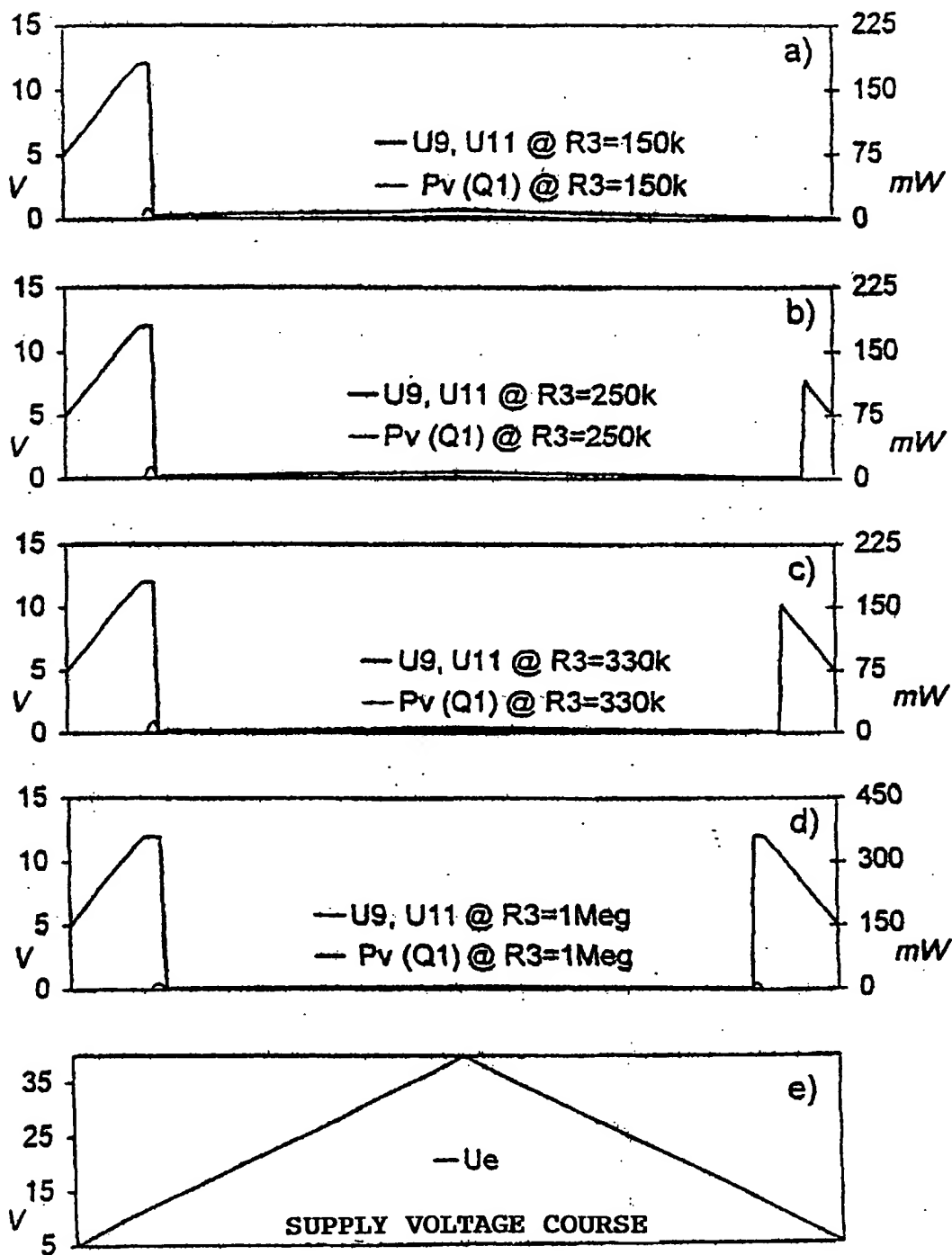
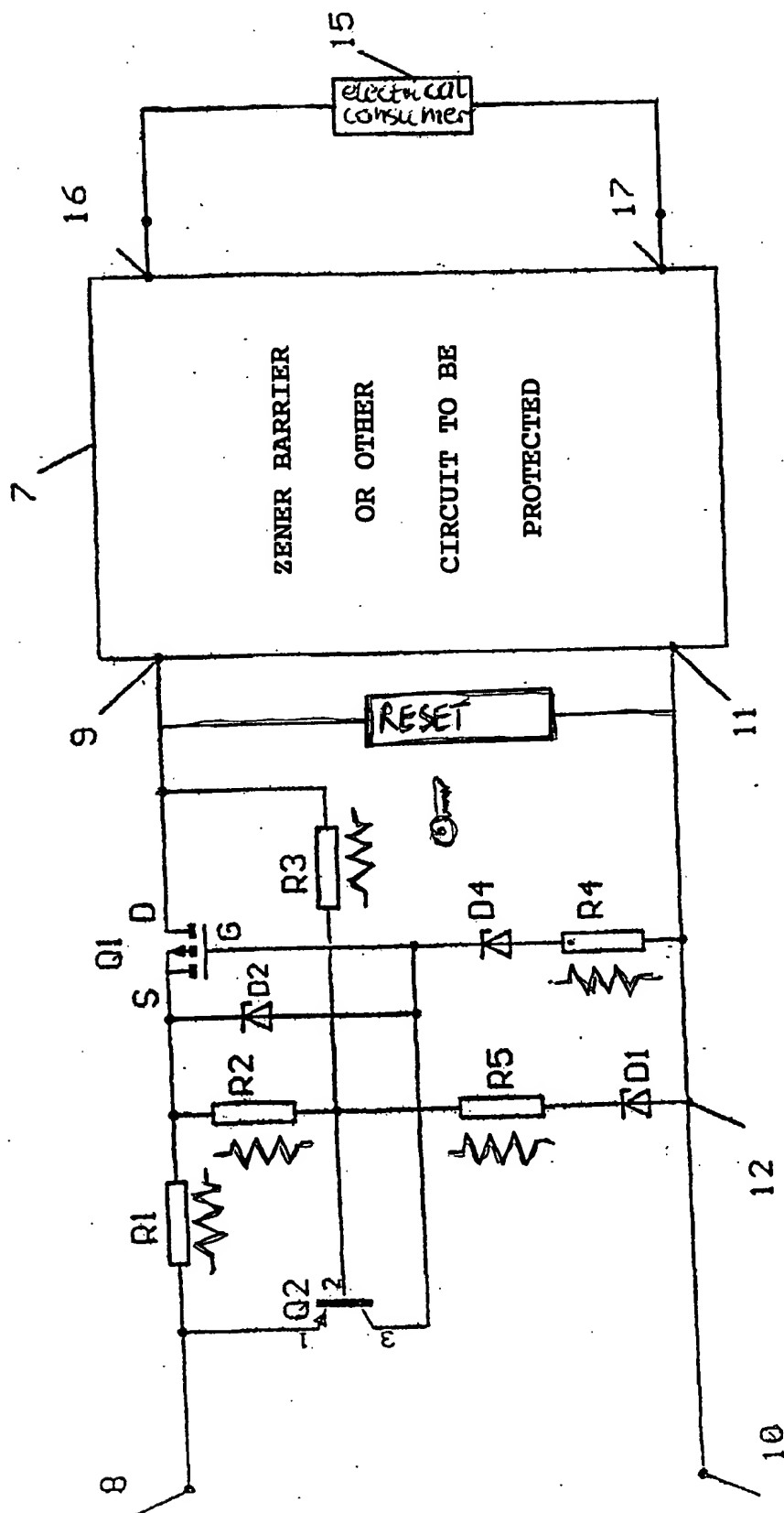


Fig. 7



8  
5  
1  
7